

Title (en)  
CYCLOBUTYL PURINE DERIVATIVE, ANGIOGENESIS PROMOTING AGENT, LUMENIZATION PROMOTING AGENT, NEUROCYTE GROWTH PROMOTING AGENT, AND DRUG

Title (de)  
CYCLOBUTYLPURINDERIVAT, ANGIOGENESEFÖRDERNDES MITTEL, LUMENISIERUNGSFÖRDERNDES MITTEL, NEUROCYTENWACHSTUMSFÖRDERNDES MITTEL UND ARZNEIMITTEL

Title (fr)  
DÉRIVÉ DE PURINE CYCLOBUTYLIQUE, AGENT FAVORISANT L'ANGIOGÈNESE, AGENT FAVORISANT LA LUMÉNISATION, AGENT FAVORISANT LA CROISSANCE DES NEUROCYTES ET MÉDICAMENT

Publication  
**EP 2377865 A4 20120613 (EN)**

Application  
**EP 09829176 A 20091127**

Priority  
• JP 2009070062 W 20091127  
• JP 2008303239 A 20081127

Abstract (en)  
[origin: EP2377865A1] Provided is a compound having at least one selected from the group consisting of cell growth promoting activity, angiogenesis promoting activity, lumen formation promoting activity, cell migration promoting activity, and neurocyte growth promoting activity, which is a chemically stable low-molecular-weight substance that has high absorbability and can be supplied stably at a low cost because of its low molecular weight. A cyclobutyl purine derivative, a tautomer or stereoisomer thereof, or a salt, solvate, or hydrate thereof according to the present invention is a cyclobutyl purine derivative represented by the following general formula (1), a tautomer or stereoisomer thereof, or a salt, solvate, or hydrate thereof.

IPC 8 full level  
**C07D 473/34** (2006.01); **A61K 31/52** (2006.01); **A61P 9/00** (2006.01); **A61P 9/10** (2006.01); **A61P 17/02** (2006.01); **A61P 25/00** (2006.01); **A61P 25/28** (2006.01); **C07D 473/40** (2006.01)

CPC (source: EP KR US)  
**A61K 31/52** (2013.01 - KR); **A61P 9/00** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 17/02** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 473/18** (2013.01 - EP US); **C07D 473/24** (2013.01 - EP US); **C07D 473/26** (2013.01 - KR); **C07D 473/34** (2013.01 - EP KR US); **C07D 473/40** (2013.01 - EP US)

Citation (search report)  
• [X] WO 2005097140 A2 20051020 - ADENOSINE THERAPEUTICS LLC [US], et al  
• [X] US 2004157864 A1 20040812 - WU XU [US], et al  
• [X] WO 02098878 A1 20021212 - MEMORY PHARM CORP [US], et al  
• [XD] US 5723609 A 19980303 - SLUSARCHYK WILLIAM A [US], et al  
• See references of WO 2010061931A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2377865 A1 20111019**; **EP 2377865 A4 20120613**; **EP 2377865 B1 20141217**; CA 2744857 A1 20100603; CA 2744857 C 20140218; CN 102227427 A 20111026; CN 102227427 B 20140402; JP 5288315 B2 20130911; JP WO2010061931 A1 20120426; KR 101358626 B1 20140204; KR 20110075040 A 20110705; KR 20130137251 A 20131216; RU 2011126159 A 20130110; RU 2489433 C2 20130810; RU 2489433 C9 20140610; US 2011230659 A1 20110922; US 9273050 B2 20160301; WO 2010061931 A1 20100603

DOCDB simple family (application)  
**EP 09829176 A 20091127**; CA 2744857 A 20091127; CN 200980147618 A 20091127; JP 2009070062 W 20091127; JP 2010540532 A 20091127; KR 20117012017 A 20091127; KR 20137030945 A 20091127; RU 2011126159 A 20091127; US 200913130952 A 20091127